

Application No. 10/621727  
Reply to Office Action of May 4, 2006

Docket No.: 00131-00339-US

AMENDMENTS TO THE CLAIMS

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**AUG 03 2006**

1. (Currently amended) A low dielectric constant material comprising
  - (a) a plant oil with an unsaturation, ~~unsaturation mixed with~~
  - (b) a comonomer and
  - (c) animal feathers wherein said feathers are feather mats.
2. (Original) The material as claimed in claim 1, wherein said plant oil is soybean oil and said animal feathers are fiber feathers.
3. (Original) The material as claimed in claim 1, wherein said oil is a triglyceride.
4. (Original) The material as claimed in claim 1, wherein said feathers are chicken feathers.
5. (Canceled)
6. (Original) The material as claimed in claim 2, wherein said fibers are natural fibers.
- 7-10. (Canceled)
11. (Currently amended) ~~A low dielectric constant material comprising a plant oil and animal feathers and the~~ The material as claimed in claim 1, wherein the material has a dielectric constant in the range of 1.7 to 2.7, measured at 25°C and 100 Hz and said feathers are feather mats.
12. (Previously presented) The material as claimed in claim 11, wherein said plant oil is soybean oil and said animal feathers are fiber feathers.

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13. (Previously presented) The material as claimed in claim 11, wherein said oil is a triglyceride.
14. (Previously presented) The material as claimed in claim 11, wherein said feathers are chicken feathers.
15. (canceled)
16. (Previously presented) The material as claimed in claim 12, wherein said fibers are natural fibers.
17. (Previously presented) An insulator comprising the material as claimed in claim 1.
18. (Previously presented) An insulator comprising the material as claimed in claim 11.
19. (Previously presented) The material as claimed in claim 1, wherein the comonomer is styrene.
20. (Previously presented) The material as claimed in claim 19, wherein said oil is a triglyceride.
21. (Previously presented) The material as claimed in claim 20, wherein said feathers are chicken feathers.
22. cancelled
23. (Currently amended) The material as claimed in ~~claim 22~~ claim 11, wherein the comonomer is styrene.

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24. (Previously presented) The material as claimed in claim 2, wherein said soybean oil is acrylated epoxidized soybean oil.
25. (Previously presented) The material as claimed in claim 12, wherein said soybean oil is acrylated epoxidized soybean oil.
26. (New) A process to make a low dielectric constant material comprising mixing  
  
a plant oil with an unsaturation with  
  
a comonomer and  
  
animal feathers wherein said feathers are feather mats.
27. (New) The process as claimed in claim 26, wherein said comonomer is styrene and said plant oil is a triglyceride.